

Optech microscopes

Science & Educational



Optech microscopes

Biostar B3



Biological microscope for lab basic analysis and basic didactic training.

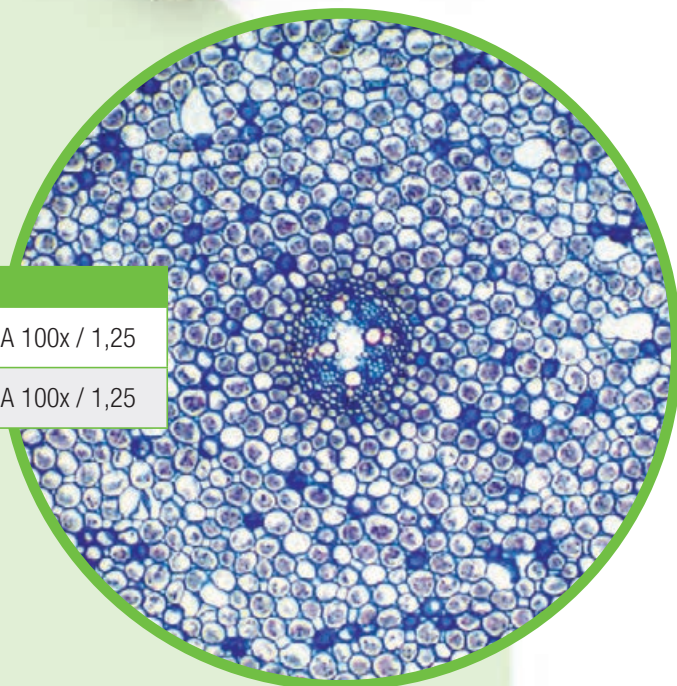
- Metal frame stand.
- Binocular or Trinocular head.
- Wide Field eyepieces WF 10x (18).
- 4-places nosepiece revolver, with achromatic parafoval objectives.
- Specimen stage 140 x 130 mm, with scan-area 78 (X) - 42 (Y).
- Abbe condenser NA 1.25, with aperture diaphragm and filter holder.
- Halogen lighting system 6V 20W, with electronic light intensity adjustment.

Standard equipment:

- Immersion oil bottle, ND 1.515.
- n.1 x 0.5A fuse.
- n.1 x 6V 20W halogen bulb.
- blue conversion filter.
- Dust cover.
- Instruction manual.

Optional accessories:

- Additional optics.
- Phase contrast device.
- C-mount TV adapters.
- Photo-micrography adapters.
- Digital videocameras.



CODE	MODELS	OBJECTIVES
K7161	B3 Binocular	A 4x / 0,10 - A 10x / 0,25 - A 40x / 0,65 - A 100x / 1,25
K7172	B3 Trinocular	A 4x / 0,10 - A 10x / 0,25 - A 40x / 0,65 - A 100x / 1,25

Optech microscopes

Biostar B3 Led - B3 Led ICS



Biological microscope for lab basic analysis and basic didactic training.

Common features for both series B3 Led and B3 Led ICS:

- Metal frame stand.
- Binocular or Trinocular head.
- Specimen stage 140 x 130 mm, with scan-area 78 (X) - 40 (Y).
- Abbe condenser NA 1.25, with aperture diaphragm and filter holder.
- Led lighting system, with electronic light intensity adjustment.

Eyepieces & Nosepiece revolver on B3 Led:

- Wide Field eyepieces WF 10x (18).
- 4-places nosepiece revolver, with achromatic parafoveal objectives, 160 mm.

Eyepieces & Nosepiece revolver on B3 Led ICS:

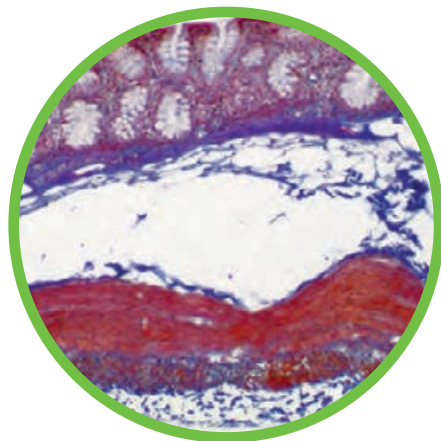
- Wide Field, High Pupil eyepieces WF 10x (20).
- 4-places nosepiece revolver, with S Plan Achromatic parafoveal objectives, ICS.

Standard equipment:

- Immersion oil bottle, ND 1.515.
- Dust cover.
- Instruction manual.

Optional accessories:

- Additional optics.
- C-mount TV adapters.
- Photo-micrography adapters.
- Digital videocameras.



B3 Led



B3 Led ICS

CODE	B3 LED MODELS	OBJECTIVES
K71287	B3 Led Monocular	A 4x / 0,10 - A 10x / 0,25 - A 40x / 0,65 - A 100x / 1,25
K71458	B3 Led Binocular	A 4x / 0,10 - A 10x / 0,25 - A 40x / 0,65 - A 100x / 1,25
K71472	B3 Led Trinocular	A 4x / 0,10 - A 10x / 0,25 - A 40x / 0,65 - A 100x / 1,25

CODE	B3 LED ICS MODELS	OBJECTIVES
K71030	B3 Led ICS Binocular	SPA 4x / 0,10 - SPA 10x / 0,25 - SPA 40x / 0,65 - SPA 100x / 1,25
K7114	B3 Led ICS Trinocular	SPA 4x / 0,10 - SPA 10x / 0,25 - SPA 40x / 0,65 - SPA 100x / 1,25

Optech microscopes

Biostar B4 SP



Biological microscope for lab analysis and didactic, high mechanical strength.

- Metal frame stand.
- Binocular or Trinocular head.
- Wide Field eyepieces WF 10x (18).
- 4-places nosepiece revolver, with semi-plan achromatic parafocal objectives.
- Specimen stage 135 x 125 mm, with scan-area 75 (X) - 35 (Y).
- Abbe condenser NA 1.25, with aperture diaphragm and filter holder.
- Halogen lighting system 6V 20W, with electronic light intensity adjustment.

Standard equipment:

- Immersion oil bottle, ND 1.515.
- n.1 x 0.5A fuse
- n.1 x 6V 20W halogen bulb
- Blue conversion filter
- Dust cover
- Instruction manual.

Optional accessories:

- Additional optics.
- Phase contrast device.
- Dark field device.
- Epifluorescence device with HBO lamp.
- C-mount TV adapters.
- Photo-micrography adapters.
- Digital videocameras.



CODE	MODELS	OBJECTIVES
K71650	B4 SP Binocular	ASp 4x/ 0,10 - ASp 10x / 0,25 - ASp 40x / 0,65 - ASp 100x / 1,25
K71660	B4 SP Trinocular	ASp 4x/ 0,10 - ASp 10x / 0,25 - ASp 40x / 0,65 - ASp 100x / 1,25

Optech Stereomicroscopes Zoom SZ-N Series



Stereomicroscope with Greenough optical system, for basic lab analysis and didactic.

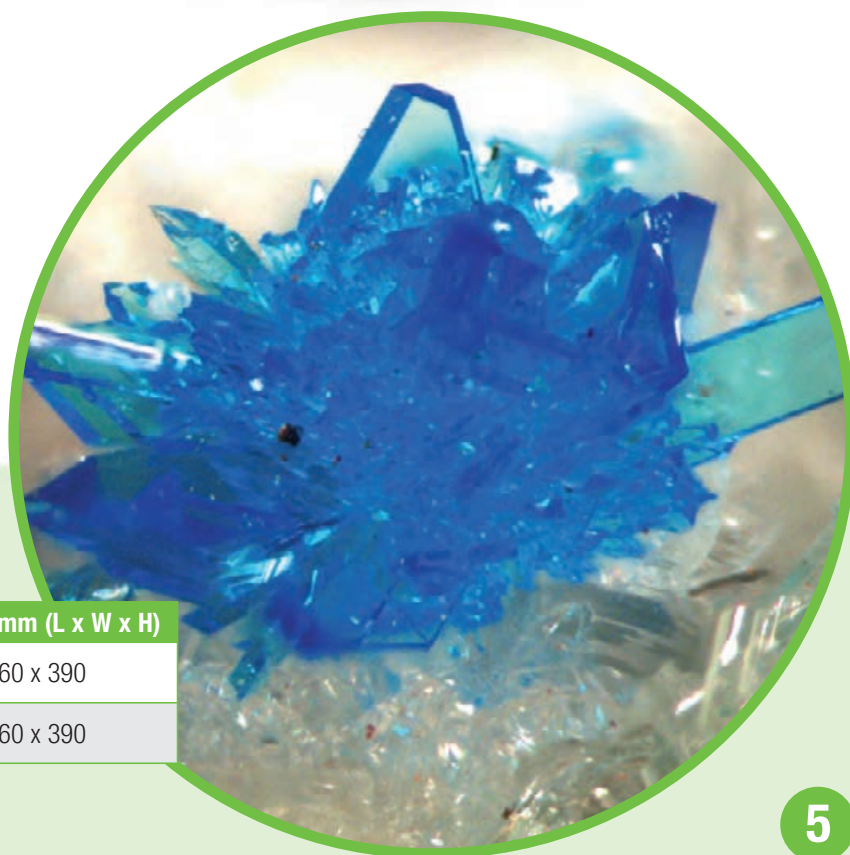
- Metal frame stand.
- Trinocular or Binocular head, 45° inclined.
- Interpupillary distance adjustment: 48...68 mm.
- Wide Field eyepieces WF 10x (20) with +/- 5 mm dioptic compensation.
- Zoom optical system F = 4.5:1.
- Min-Max possible magnifications: 5x...180x.
- Standard magnifications: 10x...45x.
- Working distance: 97 mm.
- Led lighting system, for both incident and transmitted light, with electronic light intensity adjustment.

Standard equipment:

- Dust cover.
- Instruction manual.

Optional accessories:

- Additional optics.
- Stands for huge-dimensions samples.
- Dark field device.
- Ring light and grazing light systems
- Dimensional measures.
- C-mount TV adapters.
- Photo-micrography adapters.
- Digital videocameras.



CODE	MODELS	DIMENSIONIS mm (L x W x H)
K71593	Zoom Binocular SZ-N	180 x 260 x 390
K71222	Zoom Trinocular SZ-NT	180 x 260 x 390

Optech Stereomicroscopes Zoom LFZ Series



Stereomicroscope with Greenough optical system, for basic lab analysis and didactic.

- Metal frame stand.
- Binocular or Trinocular head, 45° inclined.
- Interpupillary distance adjustment: 50...84 mm.
- Wide Field eyepieces WF 10x (20) with +/- 5mm dioptic compensation.
- Zoom optical system F = 6.4:1.
- Min-Max possible magnifications: 3.5x...180x.
- Standard magnifications: 7x...45x.
- Working distance: 90 mm.

- DUAL stand, equipped with halogen lighting system, for both incident and transmitted light
- Electronic light intensity adjustment.

- Column FLEX stand, widely height-adjustable, no lighting system.

Standard equipment:

- Rubber eyeguard.
- Pair of specimen holding clips.
- Dust cover.
- Instruction manual.

Optional accessories:

- Additional optics.
- Stands for huge-dimensions samples.
- Dark field device.
- Ring light and grazing light systems
- Dimensional measures.
- C-mount TV adapters.
- Photo-micrography adapters.
- Digital videocameras.



LFZ Dual



LFZ-T Flex

CODE	MODELS	DIMENSIONS mm (L x W x H)
K71160	Binocular LFZ Dual	270 x 300 x 470
K71161	Trinocular LFZ-T Dual	270 x 300 x 470

CODE	MODELS	DIMENSIONS mm (L x W x H)
K71760	Binocular LFZ Flex	270 x 300 x 580
K71770	Trinocular LFZ-T Flex	270 x 300 x 580

Microscope Digital Cameras

Visiocam AS - IS - ISHD Series



**Digital videocameras,
easy-to-use and suitable
to any kind of observation.**

- Resolutions: 1.3 - 3.0 - 5.0 - 10.0 MPixels.
- Sensors: C MOS - CCD.
- Good definition and reliability for colour return.
- PC connection through USB cable.
- Equipped with software for monitoring, acquisition and basic image analysis.
- C-mount Tv adapters (on request).



Digital videocameras Visiocam AS Series



CODE	VISIOCAM AS	MEGAPIXELS	RESOLUTION	SENSOR	FRAME/SEC.	DINAMIC RANGE	SOFTWARE
K71655	AS C 560	5.6	2720 x 2048	CCD 1/2"	10	75 db	F Scope
K71594	AS M 310	3.0	2048 x 1536	CMOS 1/2"	10	75 db	F Scope
K71643	AS M 510	5.0	2592 x 1944	CMOS 1/2.2"	7	67 db	F Scope

Digital videocameras Visiocam IS Series



CODE	VISIOCAM IS	MEGAPIXELS	RESOLUTION	SENSOR	FRAME/SEC.	DINAMIC RANGE	SOFTWARE
K71636	IS DV 1300	1.3	1280 x 1024	CMOS 1/3"	12	50 db	IS Capture
K71261	IS DV 3000	3.0	2048 x 1536	CMOS 1/2	9	54 db	IS Capture
K71637	IS DV 5000	5.0	2592 x 1944	CMOS 1/2.5"	5	60 db	IS Capture
K71647	IS DV 10000	10.0	3664 x 2748	CMOS 1/2.3"	3	56 db	IS Capture

Digital videocameras Visiocam ISHD Series

- No "wake effect", thanks to an high Fps value.
- Micro SD card included, for direct image storage.



CODE	VISIOCAM ISHD	MEGAPIXELS	RESOLUTION	PORTS	FRAME/SEC.	SOFTWARE
K71638	IS DV 6000 HD	6.0	3264 x 1836	HDMI - USB 2 - micro SD	60	IS Capture

Optional accessories, for all models:

- C-mount TV adapter.
- Micrometers for software calibration.

